APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

OVER-ALL AUTOMATION OF ELECTRIC POWER STATIONS OF HIGH CAPACITY WITH THE USE OF CONTROL COMPUTERS, BY YE. P. STEFANI, 17 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 7, 1962, PP 3-10.

JPRS 15608

USSR
ECON
SCI - ENGR
OCT 62

213,459

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Title Unknown, by M. P. Vukalovich, et al.
RUSSIAN, per, Teploenergetika, Vol VII,
1962, pp 18-22.
RAND LT 67-14

Sci
May 67

324,990

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Duel, M. A. and Marenko, A. F.
AN- UND ABFAHREN EINES 50 MW-BLOCKS UNTER VERWENDUNG EINER STEUERNDEN RECHENMASCHINE (Starting and Departing of a 50 MW-block by Using a Steering Computer). 14p.
Order from TIB $2.35

Trans. in German of Teploenergetika (USSR) 1962 [v. 9] no. 7, p. 18-22.

DESCRIPTORS: *Starting, *Computers, Automation.

(Machinery--Engines, TT, v. 9, no. 11)

62-27259

I. Duel, M. A.
II. Marenko, A. F.
III. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Determining the Iron Content in the Water of a Sm Steam Power Plant Installation, by Yu. M. Kostrikin, N. M. Kalinina.

RUSSIAN, per, Teploenergetika, Vol IX, No 7, 1962, pp 37-42.

(LOAN) NLL Ref. 9022.09 1963 (2,128)
CEGB 2838

Sci - M/N
Oct 63

OTS or SLA 63-23968

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Tretyakov, P. G.
VERSUCHE MIT DEM ANFAHREN DER WPT-50-3-TURBINE MIT KOMBINIERTER VORWÄRMUNG
(Starting Tests of the WPT-50-3-Turbine with Combined Preheating). 10p.
Order from TIB $1.80

Trans. in German of Teploenergetika (USSR) 1962 [v. 9] no. 7, p. 42-46.

DESCRIPTORS: *Starting, *Tests, *Turbines, Heat treatment.

(Machinery--Engines, TT, v. 9, no. 11)

62-27284

I. Tretyakov, P. G.
II. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Profiling and Investigation of Top Sections of Moving Blades in the Final Stages of Large Steam Turbines, by B. M. Troyanovskiy, E. B. Maiorskiy.

RUSSIAN, per, Teploenergetika, Vol IX, No 7, 1962, pp 46-49.

NLL Ref: 5828.4 1962 (5,228) (loan)

Sci - Electron
Jul 63

236,117

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Determination of Speeds in Axial Turbomachines, Taking into Account Distortion of Current Lines in Meridional Plane, by A. N. Sherstyuk, V. P. Novoderezhkin, 10 pp.

RUSSIAN, per. Teploenergetika, No 7, 1962, pp 50-53. 9682734

FTD-TT-62-1784

Sci-Engr
May 63

329,520

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Heat Transfer in Turbine Grids, by
L. M. Zysina-Molozhen, M. P. Polyak, et al,
8 pp.

RUSSIAN, per, Teploenergetika, No 7, 1962,
pp 77-80. 96827340

FTD-TT-62-1784

Sci-Engr
May 63

229,521

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

The Effect of Channel Geometry on the Critical Heat Loads in the Forced Flow of Water, by B. A. Zenkevich, O. V. Remizov, V. I. Subbotin, 6 pp.

RUSSIAN, per, Teploenergetika, Vol IX, No 7, 1962, pp 81-83. 9202279

AEC-Tr-5538

S:1 - Phys

6 Mar 63

224,219

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

MISTAKES OF THE ASSOCIATE MEMBER OF THE ACADEMY OF SCIENCES USSR, Z. F. CHUKHANOV, BY V. V. BOLOTOV, V. R. OKOROKOV, 11 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 7, 1962, PP 84-87.

JPRS 15608

SCI - MISC

OCT 62

213,460

XM

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

THEORY OF DETERMINATION OF THE EFFECTIVENESS OF CAPITAL INVESTMENTS, BY D. M. YURINOV, YE. A. YELOKHIN, 10 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 7, 1962, PP 87-89.

JPRS 15608

USSR
ECON
OCT 62

213,461

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Production and Use of High-Temperature Tube Steels, by M. V. Pridantsev, K. A. Lanskaya.

RUSSIAN, per, Teploenergetika, No 8, 1962, pp 2-6.

BDSI 3108

229,478

Sci - M/M
Apr 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Panfilov, V. A.
START-UP SYSTEMS FOR LARGE BOILER-TURBINE UNITS. [1963] [6p] 4refs C. E. Trans. 2900. Order from OTS, SLA, or ETC $1.10 TT-63-24090

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 8, p. 21-23. (Abstract available)

DESCRIPTORS: *Steam turbines, *Steam valves, Starting, Control systems, Steam,

Two steam turbine start-up systems are discussed. (1) A partially isolated start-up system having special start-up valves in the steam distribution system of the twin-shaft turbine, which deliver steam direct into the h.p. and i.p. turbine cylinders. The relief valve of the main control valve acts as the start-up valve for the ultra-high pressure cylinder. This system does not solve the problems of symmetrical warm-up of the h.p. (Machinery--Engines, TT, v. 11, no. 4) (over)

TT-63-24090

I. Panfilov, V. A.
II. CE Trans-2900
III. Central Electricity Generating Board (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Study of the Dynamics of a Boiler (67-2SP)-Turbogenerator (K-50-90) Unit, by V. A. Domentyev, et al.

RUSSIAN, per, Teploenergetika, Vol IX, No 8, 1962, pp 23-31.

NLL Ref: 9022.09 1963 (2990) (Loan)

Sci - Engr
Feb 64

248,589

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

A Method of Using Electronic Computers to Copute the Characteristics of Condensing-Turbine Thermal Power Stations, by V. S. Shakhanov.

RUSSIAN, per, Teploenergetika, Vol IX, No 8, 1962, pp 32-39.

NLL(LOAN)Ref: 9022.09 1963 (2991)

Sci-Engr
April 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

New Method of Shaping Guide Blade Cascades for Stages With a Small d/, by M. E. Deich, et al, 13 pp.

RUSSIAN, per, Teploenergetika, No 8, 1962, pp 42-47.

CIA FDD-XX-1325
NO FOREIGN DISSEM

Sci - Engr
Feb 63

NLL Ref: 9022.03 1963 (3277) (ZORN)

USIB INTERNAL USE ONLY

221,239

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Calculating Radial Overflows in a Turbine Stage, by G. V. Zhukovskiy, 11 pp.

RUSSIAN, per, Teploenergetika, No 8, 1962, pp 47-51. 9668619

FTD-TT-63-81

Sci-Engr
May 63

230,846

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Measuring Pressure Pulsations and Dynamic Stresses on Rotating Vanes of an ~~EX~~ Axial Compressor, by G. S. Samoylovich, I. N. Pis'min, 8 pp.

~~XXXRUSSIAN~~, per, Teploenergetika, No 8, 1962, pp 51-55. 9668619

FTD-TT-63-81

Sci-Engr
May 63

230,847

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Shvarts, \. A.
SELECTING THE OPTIMUM PARAMETERS AND EVALUATING THE EFFICIENCY OF THE HEAT-TRANSFER SURFACE OF THE REGENERATORS OF GAS-TURBINE INSTALLATIONS. [1964] [14p] 5refs
B. S. R. A. Trans. no. 1558.
Order from OTS, SLA, or ETC $1.60 TT-64-13039

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 8, p. 55-[59].

(Physics--Thermodynamics, TT, v. 12, no. 2)

TT-64-13039

I. Shvarts, V. A.
II. BSRA-Trans-1558
III. British Ship Research Association, London (England)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Panasenko, M. D. and Koslov, Yu. V.
INVESTIGATION OF SEPARATING EQUIPMENT FOR HIGH CAPACITY DRUM BOILERS. [1963] [6p] (figs omitted) 4refs
Order from OTS or SLA $1.10 63-20391

Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 8 [p. 69-72].

DESCRIPTORS: *Boilers, *Steam, Separation, Moisture.

Results of investigation are given for a corrugated plate-type separator with its entering rim placed at a small vertical angle (14°). The investigation was performed at pressures of 17, 40, 100 and 150 ata, and at various loads and initial moisture contents. (Author)

(Engineering--Mechanical, TT, v. 10, no. 12)

63-20391

I. Panasenko, M. D.
II. Koslov, Yu. V.

NLL (CAM) Ref 9022.03
1963 (2,326)

CFSTI TT
63-20391

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Experimental Investigation of the Conditions of Deterioration of [redacted] Heat Transfer During Boiling in Tubes, by A. S. Kon'kov, V. V. Mednikova, 10 pp.

RUSSIAN, per, Teploenergetika, Vol IX, No 8, 1962, pp 77-81. 9200270

073, SLA 63-22966)

AEC Tr-5539

(LOAN) NLL Ref. 9022.09 1963 (2,932)

124,217

[redacted]

Sci - Phys

6 Mar 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Title Unknown, by Vukalovich, M. P. et al.
RUSSIAN, per, Teploenergetika, No 8,
1962, pp 81-86.
RAND LT 67-32

Sci-
May 67

324,992

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

[redacted]
The Physical and Chemical Fundamentals of Magnetic Water Treatment, by V. I. Minenko, S. M. Petrov, 7 pp. RUSSIAN, per, Teploenergetika, No 9, 1962.
JPRS 25794

Sci-Chem
Aug 64

265,105

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

The Problem of Economy of Fuel in Electric Power Systems, by A. S. Forshkov, 13 pp.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 2-7.

JPRS 16039

USSR
Econ
Sci - Electricity
Nov 62

217,536

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

ON THE USE OF NEW FUEL PRICES WHEN CALCULATING THE EFFECTIVENESS OF THE NEW TECHNOLOGICAL MEASURES IN ELECTRIC POWER ENGINEERING, BY A. YA. AVRUKH, 7 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 9, 1962, PP 7-9.

JPRS 16569

USSR ECON DEC 62

217,317

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Principles of Constructing a Control-Computer Algorithum for the Overall ~~XXXXXXXXX~~ Automation of a Boiler Turbine Unit, by V. M. Rushchinskiy.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 11-17.

*UK~~X~~AEA-Winfrith Heath-Tr-17

Sci - Nucl Sci

On loan only

Jul 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Hydraulic Design of Air Cooling Systems for Multi-stage Gas Turbines by Using Electric Models, by I. T. Shvets.
RUSSIAN, per, Teploenergetika, No 9, 1962, pp 14-17.
NASA TT F-78

Sci - Engr
Mar 64
MX

251,959

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Starting and Stopping a 50 M-W Boiler-Turbine Unit ~~XXXX~~ Incorporating a Control Computer, by M. A. Duel, A. F. Mar'enko.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 18-22.

*UKAEA-Winfrith Heath-Tr-18

Sci - Nucl Sci

Jul 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Special Features of the Performance of the Control Computer as the Digital Controller of a Boiler-Turbine Unit, by V. N. Levitskiy.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 22-27.

*UKAEA-Winfrith Heath-
Tr-19

Sci - Nucl Sci

Jul 63

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Investigation of a Two-row Stage with Divergent-convergent Blade Passages, by V. D. Pshenichnyi.
RUSSIAN, per, Teploenergetika, 1962, Vol 9, No 9, pp 32-36.
NLL 9022.065 1964 (1806) (On Loan)

Aug 65 287,185

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Thermal Conditions of Finned Water-Walls, by A. L. Bychkovskiy.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 36-42.

NLL Ref: 9022.09 1964 (3270) (loan)

May 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Operation of a Natural Circulation Circuit at Different Loads and Pressures, by G. A. Dzhigit.

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 42-46.

*UKAEA Risley
Tr No 359

Sci - Electron
28 Feb 1963

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Stirikovich, M. A., Martinova, O. I. and others. INVESTIGATION OF THE BEHAVIOR OF MAGNESIUM COMPOUNDS IN A SUPERCRITICAL-PRESSURE BOILER (Issledovanie Povedeniya Soedinenii Magniya v Trakte Kotla Sverkhkriticheskogo Davleniya). [1962] 13p. (foreign text included) 7 refs.
Order from OTS or SLA $1.60 63-15701

Trans. Teploenergetika (USSR) 1962 [v. 9] no. 9, p. 46-49.

DESCRIPTORS: *Magnesium compounds, Pressure, Steam, *Boilers, Feed water, Tests.

(Chemistry, TT, v. 10, no. 7)

63-15701

I. Stirikovich, M. A.
II. Martinova, O. I.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Kagan, D. Ya. and Kaganev, T. A.
ON PHOSPHATE CONTROL IN BOILER WATER (O Fosfatnom Rezhime Kotlovoi Vody). [1962] 16p. (foreign text included) 9 refs.
Order from OTS or SLA $1.60 63-15698
$1.10 63-23975 (10pp)
Trans. of Teploenergetika (USSR) 1962 [v. 9] no. 9, p. [illegible]-62.
(5P)
DESCRIPTORS: *Corrosion, Boiler, Steam, *Boiler tubes, *Feed water, Corrosion inhibition, Films, *Sodium compounds, *Phosphates, Hydrogen.

Dept of Interior
INT 657 No 757

(Metallurgy--Corrosion, TT, v. 10, no. 3)

63-15698

I. Kagan, D. Ya.
II. Kaganev, T. A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

S-812/64

Physico-Chemical Bases of the Magnetic Treatment of Water, by V. I. Minenko, S. M. Petrov. (DC-10687)

RUSSIAN, per, Teploenergetika, No 9, 1962, pp 63-65.

*JPRS

Sci - Chem
30 Jul 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Isachenko, V. P.
THE MECHANISM AND CRITERIAL EQUATIONS OF HEAT TRANSFER FOR THE DROPWISE CONDENSATION OF STEAM. [1963] [10p] 10refs. C. E. Trans. 2993.
Order from OTS or SLA $1.10 63-24092

Trans. of Teploenergetika (USSR) 1962, v. 9 [no. 9] p. 81-85.

DESCRIPTORS: *Steam, Condensation, Drops, *Heat transfer, Equations, Thermodynamics.

Some aspects of the mechanism of dropwise condensation are examined. The role of thermocapillary movement is examined. A set of similarity criteria suitable for generalizing the experimental data on heat transfer for dropwise condensation, is derived. (Author)

(Physics--Thermodynamics, TT, v. 10, no. 12)

63-24092

I. Isachenko, V. P.
II. CE Trans-2993
III. Central Electricity Generating Board (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

ON THE ERRONEOUS THEORETICAL POSITIONS AND INCORRECT ECONOMIC CALCULATIONS OF Z. F. CHUKHANOV ON ELECTRIC POWER, BY A. G. ZAKHARIN, 9 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 9, 1962, PP 86-88.

JPRS 16569

USSR
ECON
DEC 62

217,318

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

FUNDAMENTAL METHODS OF ECONOMIZING FUEL IN POWER SYSTEMS, BY A. S. GORSHKOV, 7 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 10, OCT 1962, PP 2-9.

JPRS 16826

USSR
ECON
JAN 63

219,037

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Using Radioactive Isotopes to Investigate the Wear of Ball-Mill Balls, by E. Ya. Shpakovich.
RUSSIAN, per, Teploenergetika, Vol 9, Oct 1962, pp 10-13.
(TMS 1353)
CSGB 3430

314,396

Sci - Materials
Nov 66

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Using Radioactive Isotopes to Investigate the Wear of Ball Mill Balls, by E. Ya. Shpakovich. RUSSIAN, per, Teploenergetika, Vol IX, No 10, 1962, pp 10-13.
NLL Ref: 9022.09 1964 (34390) (loan copy)

Sci
Sep 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Counter-Current Silica Removal in the Chemical Water-Demineralizing Cycle, by A. M. Prokhorova.

RUSSIAN, per, Teploenergetika, Vol IX, No 10, 1962, pp 21-26.

NLL Ref: 9022.09 1963 (3125)(Loan)

Sci
Feb 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

Zenkevich, Yu. V. and Dement'ev, B. G.
KINETICS OF THE DISSOLUTION OF SILICA IN STEAM. [1963] [12p] 8refs C. E. Trans. 3008.
Order from OTS or SLA $1.60 63-23978

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 10, p. 26-31.

DESCRIPTORS: *Steam, *Silicon compounds, *Dioxides, *Reaction kinetics, Fluosilicic acids, Solubility, Quartz, Temperature, Pressure.

Results are presented of an experimental investigation of the kinetics of the dissolution of silica in superheated steam at pressures of up to 92 ata. Two types of flow reactors, one with quartz tubes and the other with a filling of crushed vitreous quartz, were used. The use of an equation for the kinetics of the dissolution process demonstrated that the equilibrium silica contents of steam are different in the case of contact with vitreous
(Chemistry--Physical, TT, v. 10, no. 12) (over)

63-23978

I. Zenkevich, Yu. V.
II. Dement'ev, B. G.
III. CE Trans. 3008
IV. Central Electricity Generating Board (Gt. Brit.)

NLL(L AN)NST:
9022.C9 N63(3008)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

An Experimental Control System for a 67-2SP Boiler and K-50-90 Turbine Unit Using a Control Computer, by V. M. Ruschinskiy, et al.

RUSSIAN, per, Teploenergetika, Vol IX, No 10, 1962, pp 32-35.

NLL Ref: 9022.09 1963 (3046) (Loan)

Sci
Feb 64

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

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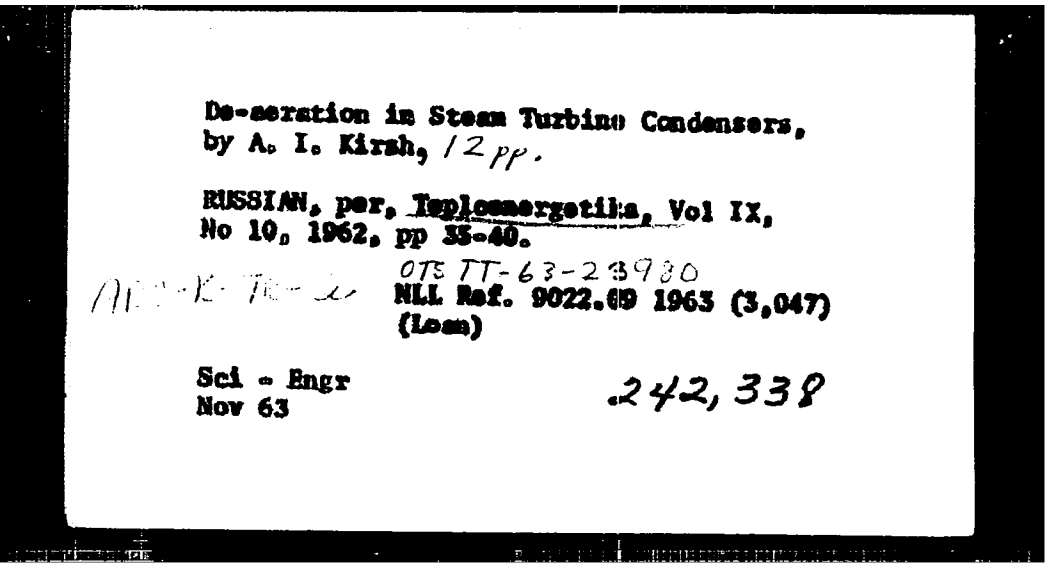

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RUSSIAN, per. Teploenergetika, Vol IX,
No 10, 1962, pp 35-40.

OTS TT-63-23930
NLL Ref. 9022.69 1963 (3,047)
(Loan)

Sci - Engr
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The Problem of Improving Turbine Stages~~with~~ Which Operate on Wet Steam, by I. I. Kirillov.

RUSSIAN, per, Teploenergetika, No 10, 1962, pp 41-47.

MIL Ref: 5828.4 1963 (5256)
(Loan)

Sci - Engr
Jul 63

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[redacted]
FTD-TT-63-99

NLL Ref. 9022.03 1963(3279)
(LOAN) 224,494

Sci-Engr
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RUSSIAN, per, Teploenergetika, Vol IX, No 10, 1962, pp 59-64.

NLL Ref: 9022.09 1963 (3041) (Loan)

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Study of Heat Emission During the Condensation of Moving Steam in a Horizontal Pipe, by L. D. Berman, Yu. A. Tumanmov, 17 pp.
RUSSIAN, per, Teploenergetika, Vol IX, No 10, 1962, pp 77-83. 9693249
FTD-TT-64-301

Jul 67 AEC-ORNL-TR-1731 P 911340067

Sci - Engr
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RUSSIAN, per. Teploenergetika, Vol 9, No 10, 1962, pp 65-72.
NASA TT F-9862

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FTD-TT-63-407

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XX WHAT BLOCKS SHCULD WE USE IN THE DEVELOPMENT OF OUR ELECTRIC POWER INSTALLATIONS, BY YU. N. FLAKSERMAN, 11 PP.

RUSSIAN, PER, TEPLOENERGETIKA, NO 11, NOV 1962, PP 37-40.

JPRS 16843

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ECON
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THE INSTALLATION AND TESTING OF MP-VTI TYPE 45,00mm. DUST COLLECTORS. [1963] [9p]
C. E. Trans-3063.
Order from OTS, SLA, or ETC $1.10 TT-63-24089

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 11, p. 41-45.

DESCRIPTORS: *Dusts, Collecting methods, Boilers, Waste gases, Particle size, Electrostatic precipitation, Cleaning, Sanitary engineering.

(Engineering--Sanitation, TT, v. 11, no. 2)

TT-63-24089

I. Veselov, V. T.
II. Darovskii, E. T.
III. Lozinskii, R. P.
IV. Khirin, G. D.
V. CE Trans-3063
VI. Central Electricity Generating Board (Gt. Brit.)

Office of Technical Services

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Kryzhanovskii, V. A.
COAL PASSAGE ALONG THE FUEL DELIVERY LINE. [1964] [10p] C. E. Trans. 3022.
Order from OTS, SLA, or ETC $1.10 TT-64-15279

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 11, p. 47-51.

(Machinery--Transport, TT, v. 11, no. 12)

TT-64-15279

I. Kryzhanovskii, V. A.
II. CE-Trans-3022
III. Central Electricity Generating Board, London (England)

Office of Technical Services

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300880007-2

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Accummulation and Treatment of Damage to Pearlitic Steels During Performance, by P. A. Antikain. RUSSIAN, per, Teploenergetika, Vol IX, No 11, 1962, pp 59-62.
CEGB 3023

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Gotlib, E. A., Polyakova, R. B., and Yashchenko, Ya. V.
WELDING PIPES MADE OF BRAND EI-695R AND EP-17 AUSTENITIC STEELS. [1963] [10p] C. E. Trans. 2904.
Order from OTS or SLA $1.10 63-23972

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 11, p. 63-67.

DESCRIPTORS: *Welding, *Pipes, *Steel, Austenite, Ferrites, Welds, Welding rods, Electrodes, Chromium alloys, Nickel alloys, Fracture (Mechanics),

Experimental work was performed to determine a method of preventing hot cracks in the seams when welding austenitic chrome-nickel steels. Satisfactory resistance to the formation of hot cracks was obtained in the case of EP-17 steel by the introduction of a certain quantity of ferrite into the weld metal by the use of
(Metallurgy, TT, v. 10, no. 12) (over)

63-23972

I. Gotlib, E. A.
II. Polyakova, R. B.
III. Yashchenko, Ya. V.
IV. CE Trans-2904
V. Central Electricity Generating Board (Gt. Brit.)

NLL(LCAN)Ref.
9c22.09 A63(c.904)
CEGB 2904

Office of Technical Services

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NLL Ref: 9022.09 1963 (3134) (Loan)

Sci AEC-LOAPD-Tr-2 (
Feb 64 12 pp.

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NLL Ref: 9022.09 1963 (3059) (Loan)

Sci
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CAGB 3059

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Shagalova, C. L. and Reznik, V. A.
FLOW OF GASES THROUGH DUCTS DURING DUST EXPLOSIONS. [1964] [7p] 4refs C. E. Trans. 3025.
Order from OTS, SLA, or ETC $1.10 TT-64-15277

Trans. of Teploenergetika (USSR) 1962, v. 9, no. 12, p. 19-21.

(Mechanics--Hydrodynamics, TT, v. 11, no. 12)

TT-64-15277

I. Shagalova, C. L.
II. Reznik, V. A.
III. CE-Trans-3025
IV. Central Electricity Generating Board, London (England)

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Problem of Improving Turbine Stages Operating on Wet Steam, by I. I. Kirillov, P. M. Jablonik, 21 pp.
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CIA/FDD X-6050

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CIA/FDD XX-1357
No Foreign Dissem

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RUSSIAN, per, Teploenergetika, Vol IX, No 12, 1962, pp 57-63. 9223470
AEC-ORNL-Tr-108

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NLL RTS 2265 (Loan)

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CONFERENCE OF ELECTRIC POWER MACHINE BUILDERS AND ALLIED INDUSTRIAL BRANCHES, BY M. F. SICHIKOV, 9 PP.

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JPRS 17380

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JAN 63

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JPRS 18051

SCI - ENGR

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*FTD-MT-65-206

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HLL RTS 2509
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RSIC-530

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RUSSIAN, per, Teploenergetika, Vol 10, No 3, 1963, pp 22-25.
NLL/9022.09 1963 3143

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Nuclear Power Station Systems With Steam Superheating in a Seperate Reactor, by L. S. Sterman.
RUSSIAN, per, Teploenergetika, Vol 10, No 5, 1963, pp 35-38.
NLL/9022.09 1963 3184

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Aug 65 288,858

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Investigation of Energy Losses in the Low-pressure Sections of Large Steam Turbines, by I. I. Kirillov.
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NLL/9022.03 1965 (3542)

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Experimental Determination of the Specific Volume of Water at Temperatures in the Range 374.15 - 500°C and Pressures up to 600 kg/cm^2, by S. L. Rivkin and T. S. Akhundov.
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NLL RTS 2441

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Experimental Determination of Enthalpy of Water and Steam at Temperature up to 390 C and Pressures Up to 500kg/cm , by A. E. Sheindlin, et al.
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MLL RTS 2439 (On Loan or Purchase)

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Aug 65 287,168

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960949

FTD-TT-63-963

Sci - Engr
Jan 64

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RUSSIAN, per, R Teploenergetika, Vol X, No 2, 1963, pp 2-9.
MLL Ref: 9022.09 1964 (3180) (loan copy)

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Gurvich, A. M. and Pludovskaya, G. M.
EFFECT OF COMBUSTION CONDITIONS ON HEAT EXCHANGE IN PULVERIZED-COAL-FIRED FURNACES. [1964] [8p] 3refs C. E. Trans. 3181.
Order from OTS, SLA, or ETC $1.10 TT-64-15270

Trans. of Teploenergetika (USSR) 1963, v. 10, no. 2, p. 9-11.

(Engineering--Mechanical, TT, v. 11, no. 12)

TT-64-15270

I. Gurvich, A. M.
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III. CE-Trans-3181
IV. Central Electricity Generating Board, London (England)

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Conversion of a TKP-3 Type Boiler to Burn Black Coals in Plane Parallel Jets, by M. A. Izyumov.

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NLL Ref: 9022.09 1964 (3182)
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The New Trend in Centrifugal Nozzle Theory, by A. M. Prakhov.

RUSSIAN, per, Teploenergetika, Vol X, No 2, 1963, pp 26-30.

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NLL 9022.03 1964 (3373)
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CIA/FDD XX-1603
NO FOREIGN DISSEM

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MLL 9022.09 1964 (3579) (On Loan)

Aug 65 286,467

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NLL Ref: 9022.09 (4728)

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